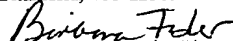


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Alexandria, VA 22313-1450

  
Barbara Fisher

Date: 5 May 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PCT International Application of: )  
 )  
LIGTHELM, Dirk, Jacob )  
 )  
Int. Appl No.: PCT/EP2003/050792 )  
 )  
Int. Filing Date: 5 November 2003 )  
 )  
INHIBITING BREAKTHROUGH OF DRIVING )  
FLUID VIA A PERMEABLE GEOLOGICAL )  
LAYER INTO AN OIL PRODUCTION WELL )

May 5, 2005

COMMISSIONER FOR PATENTS  
Box PCT: (DO/EO/US)  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.56 AND 1.97**

Dear Sir:

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the foreign documents are enclosed.

The relevance of the foreign language document is provided in the International Search Report of the PCT Application or discussed in the specification.

The Examiner is requested to fully consider this information and to indicate consideration on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant(s).

Respectfully submitted,

LIGTHELM, Dirk, Jacob



Their Attorney: Del S. Christensen

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Enclosures: Form PTO-1449 (Modified)

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TS6248

APPLICATION NUMBER

10/534179

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
LIGTHELM, Dirk, JacobFILING DATE  
5 November 2003

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5291949	3/8/94	Hoai T. Dovan, et al	166	295	2/26/92
	AB	4147211	4/3/79	Burton B. Sandiford	166	270	11/30/77
	AC	4903767	2/27/90	Paul Shu, et al	166	270	12/30/88
	AD	2042011	5/26/36	Albert G. Loomis	166	21	12/6/34
	AE	3958638	5/25/76	Chester C. Johnston	166	294	6/16/75
	AF	3349844	10/31/67	John W. Rhea, et al	166	4	7/8/64
	AG	4004639	1/25/77	Burton B. Sandiford	166	292	3/17/76
	AH	3658131	4/25/72	Jerry W. Biles	166	292	10/30/70
	AI	3881552	5/6/75	James E. Hessert	166	294	4/12/73
	AJ	4299284	11/10/81	Alfred Brown, et al	166	245	12/5/79
	AK	5513705	5/7/96	Nizar E. Djabbarah, et al	166	263	5/10/95

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	2671132	7/3/92	FR W/English abstract	E21B	33/138		X
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	International Search Report dated 11 March 2004
	AS	Schlumberger Glossary, Online: URL: <a href="http://www.glossary.oilfield.slb.com/alkaline_flooding">http://www.glossary.oilfield.slb.com/alkaline_flooding</a>
	AT	Schlumberger Glossary, Online: URL: <a href="http://www.glossary.oilfield.slb.com/waterflood">http://www.glossary.oilfield.slb.com/waterflood</a>

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TS6248

APPLICATION NUMBER

107534179

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
LIGTHELM, Dirk, JacobFILING DATE  
5 November 2003

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	6228812	5/8/01	Jeffrey C. Dawson, et al	507	221	4/5/99
	AB	4031958	6/28/77	Burton B. Sandiford, et al	166	270	6/13/75
	AC	4438976	3/27/84	David R. Baughman, et al	299	4	8/6/82
	AD	5181568	1/26/93	Kenneth W. McKown, et al	166	293	9/26/91
	AE	6024167	2/15/00	Cyrus A. Irani	166	270	5/15/98
	AF	5358565	10/25/94	Paul Shu	106	634	7/6/93
	AG	4940091	7/10/90	Paul Shu, et al	166	270	1/3/89
	AH	5834406	11/10/98	Robert D. Sydansk	507	202	3/8/96
	AI	5363914	11/15/94	Gary F. Teletzke	166	272	3/25/93
	AJ	4981176	1/1/91	Billy G. Hurd	166	273	10/26/89
	AK						

## FOREIGN PATENT DOCUMENTS

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							Yes	No
	AL							
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	
	AS	
	AT	

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